

Claims

1. Disposable incontinence diaper (2) for adults, comprising a front area (6), a rear area (4) and a center area (8) which is disposed in a longitudinal direction (30) therebetween, and comes to rest in the crotch region of the user, with mechanically or adhesively acting closing means (24, 26) which are disposed on side sections (22, 24), in particular, on longitudinal edge sections (18, 20) of the rear area (4) or the front area (6), and which adhesively interact with an impact section (32, 34) at the front area (6) or rear area (4) to close the diaper (2), wherein at least two closing means (24, 26) are provided on a respective side section (22, 24) or longitudinal edge section (18, 20), which are separated from each other in the longitudinal direction (30), characterized in that the closing means (26) which is further removed from the hip edge (16) and the impact section (34) associated therewith, are designed such that the adhesive bond between them when the diaper (2) is closed is released only by a force which is larger than the adhesive bond between the closing means and its impact section (32) disposed close to the hip edge (16).
2. Incontinence diaper according to claim 1, characterized in that the surface of the closing means (26) disposed further removed from the hip edge (16) has a larger active adhesive area than the closing means (24) disposed closer to the hip edge (16).
3. Incontinence diaper according to claim 1 or 2, characterized in that the larger surface of the active adhesive area of the closing means (26) disposed further removed from the hip edge (16) is at least 1.2 times the surface of the active adhesive area of the closing means (24) disposed closer to the hip edge (16).

4. Incontinence diaper according to claim 3, characterized in that the larger adhesive area surface is at least 1.2 times to maximally 2 times, in particular, maximally 1.6 times and preferably 1.5 times larger than the surface area of the adhesive closing means (24) located closer to the hip edge (16).
5. Incontinence diaper according to any one or more of the preceding claims, characterized in that the dimensions of the active adhesive area of the closing means (26) disposed further removed from the hip edge (16) are larger in the longitudinal direction (30) of the diaper than the dimension in the longitudinal direction (30) of the active adhesive area of the closing means (24) disposed closer to the hip area (16).
6. Incontinence diaper according to any one or more of the preceding claims, characterized in that the dimensions of the active adhesive area of a closing means (24, 26) in the longitudinal direction (30) of the diaper substantially correspond to the longitudinal (30) dimensions of this closing means (24, 26).
7. Incontinence diaper according to any one or more of the preceding claims, characterized in that the dimensions of the closing means (26) disposed further removed from the hip edge (16) in the longitudinal direction (30) of the diaper are larger than the longitudinal (30) dimensions of the closing means (24) disposed closer to the hip edge (16).
8. Incontinence diaper according to any one or more of the preceding claims, characterized in that the dimensions of the active adhesive area of the closing means (26) disposed further removed from the

hip edge (16) in the transverse direction (28) of the diaper substantially correspond to the dimensions of the active adhesive area of the closing means (24) disposed closer to the hip edge (16) in that transverse direction (28).

9. Incontinence diaper according to any one or more of the preceding claims, characterized in that the closing means (26) disposed further removed from the hip edge (16) have dimensions in the longitudinal direction (30) of the diaper of 24 to 55 mm and the closing means closer to the hip edge (16) have dimensions of 20 to 35mm.
10. Incontinence diaper according to claim 9, characterized in that the closing means (26) disposed further removed from the hip edge (16) have dimensions of 30 to 40 mm and the closing means (24) closer to the hip edge (16) have dimensions of 20 to 30 mm.
11. Incontinence diaper according to any one or more of the preceding claims, characterized in that the separation in the longitudinal direction (30) between the closing means (24), disposed closer to the hip edge (16), and the hip edge (16) is 10 to 50 mm.
12. Incontinence diaper according to any one or more of the preceding claims, characterized in that the separation (h) between the two closing means (24, 26) in the longitudinal direction (30) is 70 to 150mm.
13. Incontinence diaper according to any one or more of the preceding claims, characterized in that the releasing force at which the adhesive bond between the closing means (26) disposed further removed from the hip edge (16) and the associated impact section (34) is released - measured in a removal test as maximum shearing

force between closing means (26) and impact section (34) - is at least 45N.

14. Incontinence diaper according to claim 13, characterized in that the releasing force is maximally 105 N.
15. Incontinence diaper according to claim 14, characterized in that the releasing force is between 55N and 95N.
16. Incontinence diaper according to any one or more of the preceding claims, characterized in that the releasing force at which the adhesive bond between the closing means (24) disposed closer to the hip edge (16) and the associated impact section (32) is released - measured in a removal test as maximum shearing force between closing means (24) and impact section (32) - is at least 38 N.
17. Incontinence diaper according to claim 16, characterized in that the releasing force is maximally 60 N.
18. Incontinence diaper according to claim 17, characterized in that the releasing force is between 40N and 55N.